

CLAIM AMENDMENTS

Claim Amendment Summary

Claims pending

- Before this Amendment: Claims 1-37.
- After this Amendment: Claims 1-37.

Previously Canceled Claims: None.

Claims Canceled Herein: None.

Claims Amended Herein: Claims 1, 12, 20, 26, 33, 35 and 36.

New claims: None.

Claims:

1. (Currently Amended) A computer-implemented method for processing data, the method comprising:

~~in an operating environment supporting a pipeline of a plurality of object-based commands, a subsequent object-based command within the pipeline being configured to communicate with a prior object-based command within the pipeline through a parseable object emitted from the prior object-based command, the operating environment configured to support the execution of the object-based commands within the same process,~~

receiving the a parseable object emitted from the a prior object-based command within a pipeline comprising a plurality of object-based commands, the prior object-based command being one of the plurality of object-based commands, such that a subsequent object-based command within the pipeline which receives the parseable object is configured to

communicate with the prior object-based command within the pipeline through the parseable object emitted from the prior object-based command, wherein the parseable object having includes at least one method, and wherein an operating environment that supports the pipeline of the plurality of object-based commands is configured to support execution of the object-based commands within the same process;

obtaining a data type for the parseable object;

obtaining format information describing a format for the data type;

and

emitting a format object for access by another subsequent object-based command, the format object being based on the format information.

2. (Original) The computer-implemented method of claim 1, wherein obtaining format information comprises accessing an XML-based document.

3. (Previously Presented) The computer-implemented method of claim 1, wherein the subsequent object-based command comprises an output command configured to render results of the pipeline based on the received parseable object and the format object.

4. (Original) The computer-implemented method of claim 3, wherein the rendering of the results comprises displaying on a console.

5. (Original) The computer-implemented method of claim 3, wherein the rendering of the results comprises importing the results into an application.

6. (Original) The computer-implemented method of claim 3, wherein the rendering of the results comprises displaying in a graphical user interface.

7. (Previously Presented) The computer-implemented method of claim 1, wherein the other subsequent object-based command comprises a markup command configured to add property annotation to selected parameters within the parseable object and emitting these property annotations for input by further subsequent object-based commands in the pipeline.

8. (Previously Presented) The computer-implemented method of claim 1, wherein the other subsequent object-based command comprises a convert command configured to convert the received parseable object into a specific format.

9. (Original) The computer-implemented method of claim 8, wherein the specific format comprises an XML document, an Active Directory Object, or a comma separated value format.

10. (Previously Presented) The computer-implemented method of claim 8, wherein another subsequent object-based command comprises a transform command that receives the specific format from the convert command and transforms the specific format into another specific format based on a style sheet.

11. (Original) The computer-implemented method of claim 1, wherein the format information describes the data type and at least one of a shape, a property, or a header.

12. (Currently Amended) A computer readable medium including at least one tangible component and having computer-executable instructions for providing data driven output, the instructions comprising:

receiving a parseable object emitted from a prior object-based command within an operating environment that supports a pipeline of a plurality of object-based commands and that is configured to support the execution of the object-based commands within the same process, the prior object-based command being one of the plurality of object-based commands, wherein the receiving occurs as part of the pipeline of the plurality of object-based commands, such that a subsequent object-based command within the pipeline which receives the parseable object is configured to communicate with the prior object-based command within the pipeline through the parseable object emitted from the prior object-based command, the parseable object having at least one method;

obtaining a data type for the parseable object, ~~the parseable object having at least one method;~~

obtaining format information describing a format for the data type;
and

emitting a format object for access by ~~a subsequent~~ another subsequent object-based command from the plurality of object-based commands, the format object being based on the format information.

13. (Original) The computer readable medium of claim 12, wherein obtaining format information comprises accessing an XML-based document.

14. (Previously Presented) The computer readable medium of claim 12, wherein the subsequent object-based command comprises an output command configured to render results of the pipeline based on the received parseable object and the format object.

15. (Previously Presented) The computer readable medium of claim 12, wherein the other subsequent object-based command comprises a markup command configured to add property annotation to selected parameters within the parseable object and emitting these property annotations for input by further subsequent object-based commands in the pipeline.

16. (Previously Presented) The computer readable medium of claim 12, wherein the other subsequent object-based command comprises a convert command configured to convert the received parseable object into a specific format.

17. (Original) The computer readable medium of claim 16, wherein the specific format comprises an XML document, an Active Directory Object, or a comma separated value format.

18. (Previously Presented) The computer readable medium of claim 16, wherein another subsequent object-based command comprises a transform command that receives the specific format from the convert command and transforms the specific format into another specific format based on a style sheet.

19. (Original) The computer readable medium of claim 12, wherein the format information describes the data type and at least one of a shape, a property, or a header.

20. (Currently Amended) A system that supports data driven output, the system comprising:

a processor;

a memory, the memory being allocated for a plurality of computer-executable instructions which are loaded into the memory for execution by the processor, wherein upon execution of the computer-executable instructions the system being configured to:

receive a parseable object emitted from a prior object-based command within an operating environment that supports a pipeline of a plurality of object-based commands and that is configured to support the execution of the object-based commands within the same process, the prior object-based command being one of the plurality of object-based commands, wherein receiving the parseable object occurs as part of the pipeline, such that a subsequent object-based command within the pipeline which receives the parseable object is configured to communicate with the prior object-based command within the pipeline through the parseable object emitted from the prior object-based command, the parseable object having at least one method;

obtain a data type for the parseable object, ~~the parseable object having at least one method;~~

obtain format information describing a format for the data type; and

emit a format object for access by a subsequent object-based command from the plurality of object-based commands, the format object being based on the format information.

21. (Previously Presented) The system of claim 20, wherein the format information comprises accessing an XML-based document.

22. (Previously Presented) The system of claim 20, wherein the format information describes the data type and at least one of a shape, a property, or a header.

23. (Previously Presented) The system of claim 20, wherein the other subsequent object-based command comprises a markup command configured to add property annotation to selected parameters within the parseable object and emitting these property annotations for input by further subsequent object-based commands in the pipeline.

24. (Previously Presented) The system of claim 20, wherein the other subsequent object-based command comprises a convert command configured to convert the received parseable stream into a specific format.

25. (Previously Presented) The system of claim 20, wherein another subsequent object-based command comprises a transform command that receives the specific format from the convert command and transforms the specific format into another specific format based on a style sheet.

26. (Currently Amended) A method for providing a data driven command line output, the method comprising:

receiving a command-line instruction containing an output command configured to receive ~~at least one~~ a parseable object, the parseable object having at least one method, wherein the receiving occurs as part of a pipeline of a plurality of object-based commands, such that a subsequent object-based command within the pipeline which receives the parseable object is configured to communicate with a prior object-based command within the pipeline through the parseable object emitted from the prior object-based command; and

executing the output command to manipulate the ~~at least one~~ parseable object and to output a result to an output destination.

27. (Previously Presented) The method of claim 26, wherein the command line instruction is received and the output command is executed in an object-based command-line environment.

28. (Previously Presented) The method of claim 27, wherein the output command is provided by the command-line environment.

29. (Previously Presented) The method of claim 26, wherein outputting the result comprises displaying the results on a console.

30. (Previously Presented) The method of claim 26, wherein outputting the result comprises importing the results into an application.

31. (Previously Presented) The method of claim 26, wherein outputting the result comprises displaying the results in a graphical user interface.

32. (Currently Amended) The method of claim 26, further comprising another command configured to provide the ~~at least one~~ object to the output command.

33. (Currently Amended) The method of claim 32, wherein the other command comprises a format command configured to emit display information associated with the ~~at least one~~ object.

34. (Previously Presented) The method of claim 33, wherein the output command ignores the display information when outputting the result.

35. (Currently Amended) The method of claim 34, wherein the other command comprises a markup command configured to add a property annotation to a parameter within the ~~at least one~~ object.

36. (Currently Amended) The method of claim 32, wherein the other command comprises a convert command configured to convert the ~~at least one~~ object into a specific format.

37. (Previously Presented) The method of claim 36, wherein the specific format comprises an XML document, an Active Directory Object, or a comma separated value format.